

CLAIMS

1. A mobile communication system comprising a base station and a terminal,

the base station allowing a downlink signal to include not only a base station ID number indicating the base station but also an identification signal for specific use indicating that the base station is for specific use and sending the downlink signal, and

the terminal comprising a memory that stores a list of base station ID numbers of an accessible base station or an inaccessible base station every identification signal for specific use, and searching whether or not the base station ID number in the received downlink signal is in the list of base station ID number every the detected identification signal for specific use in the memory when the identification signal for specific use detected from the downlink signal is ON and performing communication with the base station only when the access is OK.

2. A mobile communication system according to Claim 1, wherein the base station allows the identification signal for specific use to be included in a downlink common channel and sends the signal.

3. A mobile communication system according to Claim 1, further comprising a mobile communication network connected to the base station, wherein the base station periodically sends information indicating whether or not the identification signal for specific use is sent, and

the mobile communication network sends the information to a database for storing the information.

4. A mobile communication system according to Claim 3, wherein the mobile communication network comprises a discount rate calculation unit that calculates a charge discount rate of a user of the base station on the basis of using information on the base station stored in the database.

5. A mobile communication system according to Claim 4, wherein the discount rate calculation unit increases the charge discount rate of the user of the base station as the total time for sending the identification signal for specific use is short or as the using time or the amount of using packet of a general user other than the user of the base station is larger.

6. A base station in a mobile communication system, the mobile communication system comprising the base station and a terminal,
the base station allowing a downlink signal to include not only a base station identification number indicating the base station but also an identification signal for specific use indicating the base station is for specific use, and sending the downlink signal,

the terminal comprising a memory that stores a list of base station identification number of an accessible base station or an inaccessible base station every the identification signal for specific use, and searching whether or not the base station ID number in the received downlink signal is in the list of base station ID number every the detected identification signal for specific use in the memory when the identification signal for specific use detected from the downlink signal is ON and performing communication with the base station only when the access is OK, and

the base station comprising an identification signal generation unit that generates the identification signal for specific use and a modulation unit that

allows the generated identification signal for specific use and the base station identification signal to be included in the downlink signal and sends the downlink signal.

7. A base station according to Claim 6, wherein the base station allows the identification signal for specific use to be included in a downlink common channel and sends the signal.

8. A base station according to Claim 6, further comprising
an input unit that inputs whether or not a resource of the base station is to be occupied,

wherein the identification signal generation unit generates the identification signal for specific use on the basis of an input result of the input unit indicating that the resource of the base station is to be occupied.

9. A terminal in a mobile communication system, the mobile communication system comprising a base station and the terminal,
the base station allowing a downlink signal to include not only a base station identification number indicating the base station but also an identification signal for specific use indicating the base station is for specific use, and sending the downlink signal,

the terminal comprising:

a memory that stores a list of base station identification number of an accessible base station or an inaccessible base station every identification signal for specific use; and

a determination unit that searches whether or not the base station ID number in the received downlink signal is in the list of base station ID number every the detected identification signal for specific use in the memory when the

identification signal for specific use detected from the downlink signal is ON and performs communication with the base station only when the access is OK.